

**Table S5.** Association results in Icelandic data for SNVs previously reported with suggestive association with folate levels in GWAS

SNV name	Nearest gene	Chr.	Position (build 36/hg18)	Reference	Alleles (effect/other)	EAF	Effect	P
rs1999594*	<i>MTHFR</i>	1	11881803	[1]	A/G	0.445	0.076	$7.5 \times 10^{-20}$
rs982393*	<i>FIGN</i>	2	164198775	[2]	A/T	0.095	-0.017	0.24
rs2119289*	<i>FIGN</i>	2	164206192	[2]	C/G	0.095	-0.017	0.23
rs153734*	<i>PRICKLE2</i>	3	64053049	[1]	C/T	0.243	-0.003	0.71

\* Not previously shown at genome-wide significance. References: 1. Tanaka T, Scheet P, Giusti B, Bandinelli S, Piras MG, et al. (2009) Genome-wide association study of vitamin B6, vitamin B12, folate, and homocysteine blood concentrations. Am J Hum Genet 84: 477-482. 2. Hazra A, Kraft P, Lazarus R, Chen C, Chanock SJ, et al. (2009) Genome-wide significant predictors of metabolites in the one-carbon metabolism pathway. Hum Mol Genet 18: 4677-4687.